

## 1 CLAIMS

2 What is claimed is:

- 3 1. A method, performed by a retail purchaser of a previously-purchased remote-controlled  
4 retail electronic entertainment device, for retro-fitting said remote-controlled device to  
5 provide an increased acceptance angle for an infrared receiver thereof, the method  
6 comprising the steps of:  
7 purchasing, on a retail basis and subsequent to a previous purchase of said remote-controlled  
8 device, a hemispheric lens, the hemispheric lens comprising a lens body, the lens body  
9 being fabricated from a dielectric material substantially transparent at an infrared  
10 wavelength received by the infrared receiver, the lens body having a substantially  
11 hemispheric convex outer surface, a substantially hemispheric concave inner surface, a  
12 substantially flat annular surface connecting the inner and outer hemispheric surfaces,  
13 and an adhesive layer provided on the annular surface for securing the lens to a face of  
14 the remote-controlled retail electronic entertainment device over the infrared receiver  
15 thereof; and  
16 after purchasing the hemispheric lens, securing the hemispheric lens to the face of the  
17 previously-purchased remote-controlled retail electronic entertainment device over the  
18 infrared receiver thereof, thereby increasing the acceptance angle over which infrared  
19 remote control signals may be received by the infrared receiver.
- 20 2. The method of Claim 1, the dielectric material being substantially clear acrylic plastic.
- 21 3. The method of Claim 1, the adhesive layer comprising double-sided adhesive tape.
- 22 4. The method of Claim 1, the lens body hemispheric inner surface being about  $\frac{3}{8}$  inch in  
23 diameter and the lens body hemispheric outer surface being about  $\frac{1}{2}$  inch in diameter.
- 24 5. The method of Claim 1, the remote-controlled retail electronic entertainment device being a  
25 video device.
- 26 6. The method of Claim 5, the video device being a television, a video cassette recorder, a  
27 video cassette player, a DVD player, a DVD recorder, a cable television receiver, or a  
28 satellite television receiver.
- 29 7. The method of Claim 1, the remote-controlled retail electronic entertainment device being  
30 an audio device.

- 1 8. The method of Claim 7, the audio device being a radio, a stereo, a hi-fi system, an audio  
2 cassette player, an audio cassette recorder, an audio CD player, an audio CD recorder, a  
3 home theatre system, a surround-sound system, an MP3 player, an MP3 recorder, a DVD-  
4 audio player, or a DVD-audio recorder.
- 5 9. A method for enabling a retail purchaser of a previously-purchased remote-controlled retail  
6 electronic entertainment device to retro-fit said remote-controlled device to provide an  
7 increased acceptance angle for an infrared receiver thereof, the method comprising the steps  
8 of:  
9 selling, on a retail basis to the retail purchaser of the previously-purchased remote-  
10 controlled retail electronic entertainment device and subsequent to a previous purchase  
11 thereof, a hemispheric lens, the hemispheric lens comprising a lens body, the lens body  
12 being fabricated from a dielectric material substantially transparent at an infrared  
13 wavelength received by the infrared receiver, the lens body having a substantially  
14 hemispheric convex outer surface, a substantially hemispheric concave inner surface, a  
15 substantially flat annular surface connecting the inner and outer hemispheric surfaces,  
16 and an adhesive layer provided on the annular surface for securing the lens to a face of  
17 the remote-controlled retail electronic entertainment device over the infrared receiver  
18 thereof; and  
19 instructing the retail purchaser of the previously-purchased remote-controlled retail  
20 electronic entertainment device to secure the hemispheric lens to the face of said  
21 remote-controlled device over the infrared receiver thereof, thereby increasing the  
22 acceptance angle over which infrared remote control signals may be received by the  
23 infrared receiver.
- 24 10. The method of Claim 9, the dielectric material being substantially clear acrylic plastic.
- 25 11. The method of Claim 9, the adhesive layer comprising double-sided adhesive tape.
- 26 12. The method of Claim 9, the lens body hemispheric inner surface being about  $\frac{3}{8}$  inch in  
27 diameter and the lens body hemispheric outer surface being about  $\frac{1}{2}$  inch in diameter.
- 28 13. The method of Claim 9, the remote-controlled retail electronic entertainment device being a  
29 video device.

- 1 14. The method of Claim 13, the video device being a television, a video cassette recorder, a  
2 video cassette player, a DVD player, a DVD recorder, a cable television receiver, or a  
3 satellite television receiver.
- 4 15. The method of Claim 9, the remote-controlled retail electronic entertainment device being  
5 an audio device.
- 6 16. The method of Claim 15, the audio device being a radio, a stereo, a hi-fi system, an audio  
7 cassette player, an audio cassette recorder, an audio CD player, an audio CD recorder, a  
8 home theatre system, a surround-sound system, an MP3 player, an MP3 recorder, a DVD-  
9 audio player, or a DVD-audio recorder.

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